

CU-3529

Amendments to the Claims

The following listing of claims will replace all prior versions and listings of claims in the above-identified application.

Listing of Claims:

1. (Currently amended) A substrate for a monochrome liquid crystal display apparatus comprising:
  - a substrate, a black matrix formed in a pattern on the substrate, a protection layer formed on the substrate so as to cover the black matrix, and a columnar spacer formed in the area with the black matrix formed on the protection layer, for adjusting the gap between the substrate and the counter substrate,
    - wherein the height from the surface of the substrate to the upper surface of the columnar spacer provided in the pixel part of the substrate is higher than the height from the substrate surface to the upper surface of the columnar spacer provided in the outer peripheral part as the pixel part peripheral area of the substrate by in a range of 0  $\mu$ m to 0.8  $\mu$ m, and no colored layer is formed between the black matrix in the pixel part,
      - said columnar spacer comprising a pixel spacer provided in the pixel part of the substrate, and an outer peripheral spacer is provided in the outer peripheral part of the substrate such that the height of the pixel spacer is made higher than the height of the outer peripheral spacer.

CU-3529

2. (Previously presented) A substrate for a monochrome liquid crystal display apparatus comprising:

a substrate, a black matrix formed in a pattern on the substrate, a protection layer formed on the substrate so as to cover the black matrix, and a columnar spacer formed in the area with the black matrix formed on the protection layer, for adjusting the gap between the substrate and the counter substrate,

wherein the columnar spacer comprises a pixel spacer provided in the pixel part of the substrate, and an outer peripheral spacer provided in the outer peripheral part as the pixel part peripheral area of the substrate such that the height of the pixel spacer is made higher than the height of the outer peripheral spacer.

3. (Cancelled)

4. (Previously presented) The substrate for a monochrome liquid crystal display apparatus according to claim 1, wherein the substrate for a monochrome liquid crystal display apparatus is used for an IPS monochrome liquid crystal display apparatus.

5. (Previously presented) The substrate for a monochrome liquid crystal display apparatus according to claim 2, wherein the substrate for a monochrome

CU-3529

liquid crystal display apparatus is used for an IPS monochrome liquid crystal display apparatus.

6. (Currently amended) The substrate for a monochrome liquid crystal display apparatus according to claim [[3]] 1, wherein the substrate for a monochrome liquid crystal display apparatus is used for an IPS monochrome liquid crystal display apparatus.

7. (Previously presented) A production method for a substrate for a monochrome liquid crystal display apparatus comprising:

forming a black matrix in a pattern on a substrate,

forming a protection layer on the substrate having the black matrix formed in the pattern so as to cover the black matrix, and

forming a columnar spacer for adjusting the gap between the substrate and the counter substrate in the area with the black matrix formed on the protection layer first in the outer peripheral part in the periphery of the pixel part as the display area of the monochrome liquid crystal display apparatus, and then forming the same in the pixel part.

8. (Previously presented) The production method for a substrate for a monochrome liquid crystal display apparatus according to claim 7, wherein the substrate for a monochrome liquid crystal display apparatus is used for an IPS monochrome liquid crystal display apparatus.